

Abstract of the Disclosure

The door apparatus has a linear motor for applying a thrust to move a door, a lock device for performing a locking operation and an unlocking operation, and a control unit for controlling the linear motor and the lock device. Upon determining that the lock device is still in a locked state after a set time has elapsed from initiation of the unlocking operation, the control unit controls the linear motor to apply a thrust force to the door while again controlling the lock device to perform the unlocking operation. As a result, even when the locking pin and the lock hole are misaligned to such an extent as to interfere with the unlocking operation, the unlocking operation can be performed without an increase in a thrust output by a solenoid of the lock device, the solenoid can be prevented from overheating and the size and weight of the solenoid can be reduced.